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Bostik
smart adhesives

STR350A

MULTIPURPOSE ADHESIVE/SEALANT

KEY FEATURES

- Solvent, isocyanate and PVC free
- Very good UV-resistance and aging properties
- Neutral and odorless curing

DESCRIPTION

Bostik STR350A is a good compromise between an adhesive and a sealant. STR350A is based on Silyl Modified Polymer (SMP) and is suitable for making elastic constructive joints and elastic sealings.

BASIC USES

Bostik STR350A is a high quality product based on Silyl Modified Polymer (SMP), especially developed for bonding and sealing in bus, caravan, and trailer construction. In general, STR350A adheres well without primer on clean, dry, dust and grease free substrates of aluminium, stainless steel, galvanized steel, zinc, copper, brass, powder coated metal, most lacquered metal surfaces, glass, PVC, polyester (GRP), painted and lacquered wood, etc. No adhesion on untreated polyethylene, polypropylene and PTFE. In case of high adhesion demands the use of Prep M is recommended. Prep M degreases and prepares the surface of the substrate in one step.

On plain, untreated wooden surfaces and other porous substrates Prep G is recommended. For more details concerning Prep M and Prep G consult the Technical Data Sheets. For not mentioned substrates and additional information consult Bostik.

PACKAGING

10.1 oz cartridges, 600 ml sausages, and other packaging on request.

METHOD OF USE

STR350A can easily be extruded with a hand or air pressure gun at temperatures between 41°F to 95°F (5°C and 35°C). In sealing applications, STR350A should be tooled or smoothened within 10 minutes (at 70 °F (20°C)/50%R.H.) with a spatula or putty knife, occasionally



TYPICAL PHYSICAL PROPERTIES

Description	Results
Basic Material	Silyl Modified Polymer (SMP)
Curing Method	Moisture
Specific Gravity	1.5 g/ml
Skin Forming Time	15 min. (70°F/20°C/50% R.H.)
Open Time	20 min. (70°F/20°C/50% R.H.)
Curing Speed After 24 hrs	2 mm (70°F/20°C/50% R.H.)
Shore A Hardness	50 (DIN 53505)
Volume Change	< 3% (DIN 52451)
Green Strength	800 Pa (Physica Rheometer MC100)
(Max. load which can be applied per m² uncured adhesive without sagging)	
Tensile Stress (100%)	375 psi (DIN 53504/ISO 37)
Tensile Strength at Break	350 psi (DIN 53504/ISO 37)
Elongation at Break	400% (DIN 53504/ISO 37)
Shear Strength	247 psi (DIN 53283/ASTM D1002)
(Alu-Alu; adh. thickness 2mm, test speed 50 mm/min.)	
Solvent Percentage	0%
Isocyanate Percentage	0%
Temperature Resistance	-40°F to 250°F (-40°C to 121°C)
Application Temperature	41°F to 95°F (5°C and 35°C)
UV Resistance	Excellent

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moistened with a soap solution. Avoid soap solution penetrating between joint sides and sealant, which will create loss of adhesion. In bonding application, the substrates have to be assembled within 20 minutes (at 70 °F (20°C)/50%R.H.) after applying STR350A. In general, an adhesive thickness of 2 mm is recommended.

CLEAN UP

Cleaning tools or removing uncured residue of STR350A can be done with a clean, colourless cloth, wetted with isopropyl alcohol or Liquid 1. It is recommended to make a trial first to check possible attack of the substrate by isopropyl alcohol or Liquid 1.

SHELF LIFE

STR350A can be stored for 12 months in an original, unopened container in a dry place at temperatures between 41°F to 95°F (5°C and 35°C).

HEALTH AND SAFETY PRECAUTIONS

The Safety Data Sheet should be consulted for proper handling, clean up and spill containment before use. Keep containers covered to minimize contamination.

LIMITED WARRANTY

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BOSTIK HOTLINE

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